

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: KODET et al

Serial No. To Be Assigned

Filed: March 13, 2001

For: ISOLATED HUMAN TRANSPORTER
PROTEINS, NUCLEIC ACID MOLECULES
ENCODING HUMAN TRANSPORTER
PROTEINS, AND USES THEREOF

Art Unit:

Examiner:

Atty. Docket: CL000891

**SUBMISSION OF SEQUENCE LISTING
UNDER 37 C.F.R. § 1.821(a)**

Honorable Commissioner of
Patents and Trademarks
Washington, D.C. 20231

Sir:

In compliance with 37 C.F.R. § 1.821(a), applicants submit the Sequence Listing,
including the paper copy of the Sequence Listing and the computer readable copy of the
Sequence Listing.

In the Specification:

The Sequence Listing is provided on pages 63-105 of the specification in the
above-identified application.


REMARKS

In accordance with 37 C.F.R. § 1.821(f), the paper copy of the Sequence Listing and the computer readable copy of the Sequence Listing submitted herewith in the above application are the same.

It is respectfully believed that this application complies with the Sequence Listing requirements and is now in condition for processing.

Respectfully submitted,

CELERA GENOMICS

By: 
Lin Sun-Hoffman
Reg. No. P-47,983

Date: March 13, 2000

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45 West Gude Drive, C2-4#20
Rockville, MD 20850
Tel: 240-453-3067
Fax: 240-453-3084

SEQUENCE LISTING

<110> KODET, Stefan et al

<120> ISOLATED HUMAN TRANSPORTER PROTEINS,
NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
AND USES THEREOF

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Thr	Ile	Lys	Lys	Pro	Asn	Gly	Glu	Thr	Ser	Thr	Thr	Thr	Ile	Arg	Val
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Trp	Asn	Glu	Thr	Val	Ser	Asn	Leu	Thr	Leu	Met	Ala	Leu	Gly	Ser	Ser

130 135 140
 Ala Pro Glu Ile Leu Leu Ser Leu Ile Glu Val Cys Gly His Gly Phe
 145 150 155 160
 Ile Ala Gly Asp Leu Gly Pro Ser Thr Ile Val Gly Ser Ala Ala Phe
 165 170 175
 Asn Met Phe Ile Ile Ile Gly Ile Cys Val Tyr Val Ile Pro Asp Gly
 180 185 190
 Glu Thr Arg Lys Ile Lys His Leu Arg Val Phe Phe Val Thr Ala Ala
 195 200 205
 Trp Ser Val Phe Ala Tyr Ile Trp Leu Tyr Met Ile Leu Ala Val Phe
 210 215 220
 Ser Pro Gly Val Val Gln Val Trp Glu Gly Leu Leu Thr Leu Phe Phe
 225 230 235 240
 Phe Pro Val Cys Val Leu Leu Ala Trp Val Ala Asp Lys Arg Leu Leu
 245 250 255
 Phe Tyr Lys Tyr Met His Lys Arg Tyr Arg Thr Asp Lys His Arg Gly
 260 265 270
 Ile Ile Ile Glu Thr Glu Gly Glu His Pro Lys Gly Ile Glu Met Asp
 275 280 285
 Gly Lys Met Met Asn Ser His Phe Leu Asp Gly Asn Leu Ile Pro Leu
 290 295 300
 Glu Gly Lys Glu Val Asp Glu Ser Arg Arg Glu Met Ile Arg Ile Leu
 305 310 315 320
 Lys Asp Leu Lys Gln Lys His Pro Glu Lys Asp Leu Asp Gln Leu Val
 325 330 335
 Glu Met Ala Asn Tyr Tyr Ala Leu Ser His Gln Gln Lys Ser Arg Ala
 340 345 350
 Phe Tyr Arg Ile Gln Ala Thr Arg Met Met Thr Gly Ala Gly Asn Ile
 355 360 365
 Leu Lys Lys His Ala Ala Glu Gln Ala Lys Lys Thr Ala Ser Met Ser
 370 375 380
 Glu Val His Thr Asp Glu Pro Glu Asp Phe Ala Ser Lys Val Phe Phe
 385 390 395 400
 Asp Pro Cys Ser Tyr Gln Cys Leu Glu Asn Cys Gly Ala Val Leu Leu
 405 410 415
 Thr Val Val Arg Lys Gly Gly Asp Ile Ser Lys Thr Met Tyr Val Asp
 420 425 430
 Tyr Lys Thr Glu Asp Gly Ser Ala Asn Ala Gly Ala Asp Tyr Glu Phe
 435 440 445
 Thr Glu Gly Thr Val Val Leu Lys Pro Gly Glu Thr Gln Lys Glu Phe
 450 455 460
 Ser Val Gly Ile Ile Asp Asp Ile Phe Glu Glu Asp Glu His Phe
 465 470 475 480
 Phe Val Arg Leu Ser Asn Val Arg Val Glu Glu Glu Gln Leu Glu Glu
 485 490 495
 Gly Met Thr Pro Ala Ile Leu Asn Ser Leu Pro Leu Pro Arg Ala Val
 500 505 510
 Leu Ala Ser Pro Cys Val Ala Thr Val Thr Ile Leu Asp Asp Asp His
 515 520 525
 Ala Gly Ile Phe Thr Phe Glu Cys Asp Thr Ile His Val Ser Glu Ser
 530 535 540
 Ile Gly Val Met Glu Val Lys Val Leu Arg Thr Ser Gly Ala Arg Gly
 545 550 555 560
 Thr Val Ile Val Pro Phe Arg Thr Val Glu Gly Thr Ala Lys Gly Gly
 565 570 575
 Gly Glu Asp Phe Glu Asp Thr Tyr Gly Glu Leu Glu Phe Lys Asn Asp
 580 585 590

Glu Thr Val Lys Thr Ile Arg Val Lys Ile Val Asp Glu Glu Glu Tyr
 595 600 605
 Glu Arg Gln Glu Asn Phe Phe Ile Ala Leu Gly Glu Pro Lys Trp Met
 610 615 620
 Glu Arg Gly Ile Ser Ala Leu Leu Leu Ser Pro Glu Val Thr Asp Arg
 625 630 635 640
 Lys Leu Thr Met Glu Glu Glu Ala Lys Arg Ile Ala Glu Met Gly
 645 650 655
 Lys Pro Val Leu Gly Glu His Pro Lys Leu Glu Val Ile Ile Glu Glu
 660 665 670
 Ser Tyr Glu Phe Lys Ser Thr Val Asp Lys Leu Ile Lys Lys Thr Asn
 675 680 685
 Leu Ala Leu Val Val Gly Thr His Ser Trp Arg Asp Gln Phe Met Glu
 690 695 700
 Ala Ile Thr Val Ser Ala Ala Gly Asp Glu Glu Glu Asp Glu Ser Gly
 705 710 715 720
 Glu Glu Arg Leu Pro Ser Cys Phe Asp Tyr Val Met His Phe Leu Thr
 725 730 735
 Val Phe Trp Lys Val Leu Phe Ala Cys Val Pro Pro Thr Glu Tyr Cys
 740 745 750
 His Gly Trp Ala Cys Phe Val Val Ser Ile Leu Ile Ile Gly Met Leu
 755 760 765
 Thr Ala Ile Ile Gly Asp Leu Ala Ser His Phe Gly Cys Thr Ile Gly
 770 775 780
 Leu Lys Asp Ser Val Thr Ala Val Val Phe Val Ala Phe Gly Thr Ser
 785 790 795 800
 Val Pro Asp Thr Phe Ala Ser Lys Ala Ala Ala Leu Gln Asp Val Tyr
 805 810 815
 Ala Asp Ala Ser Ile Gly Asn Val Thr Gly Ser Asn Ala Val Asn Val
 820 825 830
 Phe Leu Gly Ile Gly Leu Ala Trp Ser Val Ala Ala Ile Tyr Trp Ala
 835 840 845
 Met Gln Gly Gln Glu Phe His Val Ser Ala Gly Thr Leu Ala Phe Ser
 850 855 860
 Val Thr Leu Phe Thr Ile Phe Ala Phe Val Cys Leu Ser Val Leu Leu
 865 870 875 880
 Tyr Arg Arg Arg Pro His Leu Gly Gly Glu Leu Gly Gly Pro Arg Gly
 885 890 895
 Cys Lys Leu Ala Thr Thr Trp Leu Phe Val Ser Leu Trp Leu Leu Tyr
 900 905 910
 Val Leu Phe Ala Thr Leu Glu Ala Tyr Cys Tyr Ile Lys Gly Phe
 915 920 925